



**WATER MANAGEMENT DIVISION
MONTHLY REPORT**

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**RESERVOIR OPERATION AND SYSTEM STATUS
FOR DECEMBER 2000**

HIGHLIGHTS – Cairo began the month at 16.6 feet and ended at 11.8 feet. Normal stage for December is 27 feet. Cairo crested at 30.6 on December 22nd.

WEATHER –The weather during December was cold. The temperatures for the month remained below normal for most of the month. Cincinnati had the fourth coldest December of record. Temperatures briefly went above normal preceding a rain event on the 16th and 17th of the month. Precipitation averaged slightly above normal along the Ohio River and north. However, observed precipitation remained well below normal south and east of the Ohio River. Driest areas were in the mountainous regions of eastern Tennessee, Virginia, West Virginia and Pennsylvania. The following table summarizes temperature and precipitation for December:

TEMPERATURE AND PRECIPITATION – DECEMBER 2000

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	23.1	-3.6	2.64	-0.28
Charleston, WV	28.6	-8.4	2.10	-1.29
Columbus, OH	23.4	-8.5	3.59	+0.73
Cincinnati, OH	23.2	-10.3	3.18	+0.03
Louisville, KY	26.2	-10.7	3.72	+0.08
Indianapolis, IN	19.8	-11.1	2.76	-0.58
Evansville, IN	23.6	-11.6	4.11	+0.44

Nashville, TN	30.8	-9.7	3.44	-1.17
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STREAMFLOW -- Ohio River monthly average flows for December ranged from a low of 81 percent of normal at Huntington, WV to a high of 95 percent of normal at Louisville, KY. Daily flows ranged from a low of 16 percent of normal at Evansville, IN to a high of 273 percent of normal at Louisville, KY.

The following table presents the flow data summary for December at the Ohio River Index Stations:

FLOW DATA – DECEMBER 2000

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND		HIGH	LOW
Pittsburgh, PA	34,096	91	217	41
Huntington, WV	65,226	81	206	29
Cincinnati, OH	84,581	85	238	27
Louisville, KY	104,320	95	273	26
Evansville, IN	113,160	84	234	16
Paducah, KY	213,740	87	217	26

RESERVOIRS -- December started with 2.2% utilization of the total system flood control storage and ended the month at 2.0%. System-wide augmentation storage increased from 93.6% at the beginning of the month to 95.9% by the end of the month. Significant flood storage utilization in excess of 25% occurred at no reservoir during the month of December.

The following table depicts storage change by tributary reservoir subsystem for December:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	-95,600

Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	-58,000
Twelvepole-Big Sandy-Little Sandy-Scioto	+10,800
Little Miami-Licking-Mill Creek-Great Miami	-5,700
Kentucky-Salt-Green-Wabash	-12,100
Cumberland	+163,100
TOTAL	+2,500

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